PECAD

Production Estimates & Crop Assessment Division Foreign Agricultural Service, USDA

Using:

FAS' Attaché Reports • Field Travel • Satellite/Remote Sensing Weather Data • Official Gov't Statistics • Crop Models

To Produce:

"The Most Objective and Accurate Assessment of the Global Agricultural Production Outlook and the Conditions Affecting Food Security in the World"

FSA/FAS Mission

FSA

... promoting the security and stability of America's food supply.

FAS

... promoting the sale of U.S. agricultural products and reporting on world food security.

FAS Food Security Mandate

According to the Code of Federal Regulations

- "Maintain a worldwide agricultural intelligence and reporting system..."
- "Conduct studies of worldwide production, trade, marketing, prices, consumption, and other factors affecting exports and imports of U.S. agricultural commodities..."

FAS Global Intelligence

Implementing the Mandate

- FAS maintains a worldwide agricultural intelligence and reporting system to develop and disseminate information on world agricultural production and trade.
- Agricultural counselors and attaches in 75 overseas offices serving 110 countries.
- Has used remotely sensed imagery and weather data to monitor crop conditions since 1979.

FAS Global Monitoring

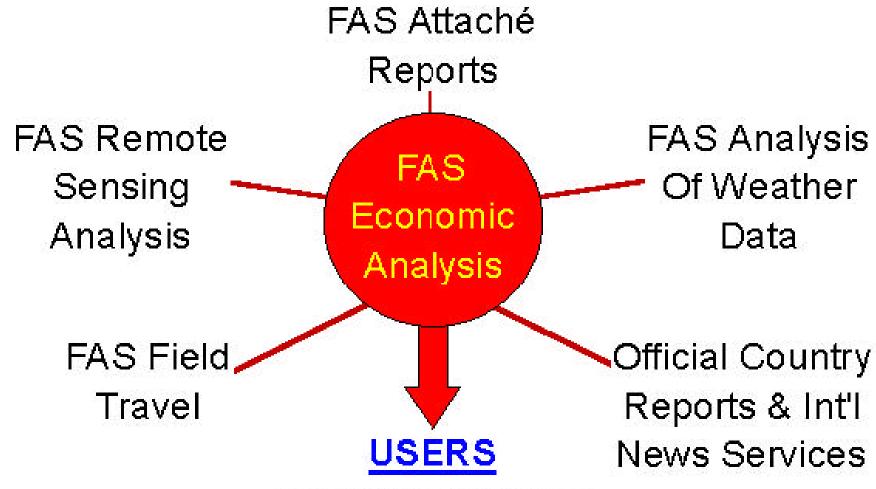
To Monitor, Forecast, and Report on World Food Supply

- "USDA maintains an unrivaled national and global system for developing, using, and reporting data and information on world agriculture." Congressional Research Service
- Overall priority given to monitoring the major commercial producers and exporters.
- Monitors and forecasts areas of the world that are prone to drought, food shortages and famine conditions.

Global Monitoring Data Sources

- NOAA AVHRR: within 3 days
- Landsat TM: within 10 days
- SPOT: within 10 days
- Global U.S. Air Force Weather: next day
- World Meteorological Org.: next day
- FAS Overseas Offices
- News Services

CONVERGENCE OF EVIDENCE METHODOLOGY



USDA POLICYMAKERS

Commodity Price Discovery

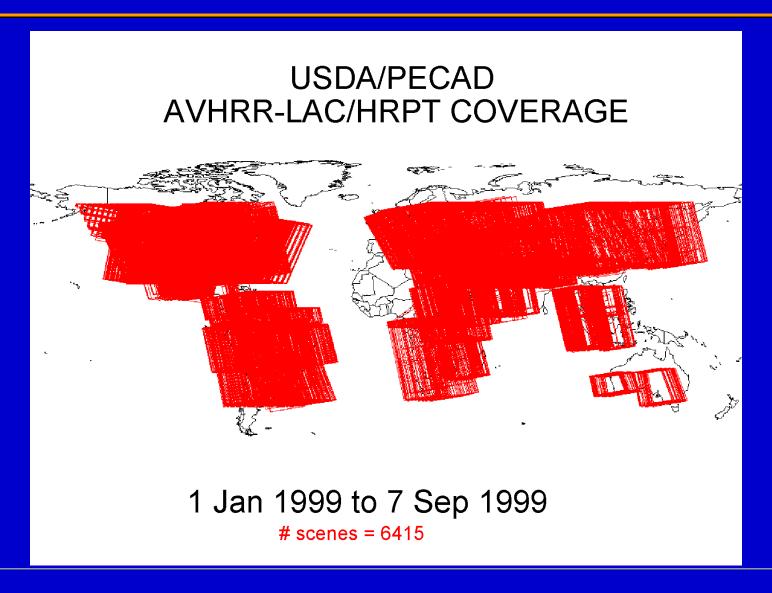
U.S. Ag Producers
USDA Publications

Commodity Price Adjustment

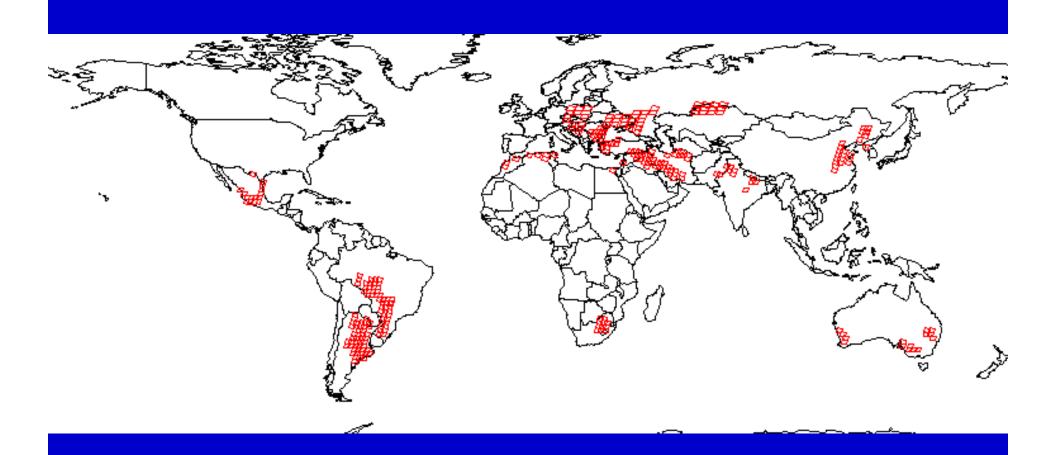
Current Sources For Global Ag Land Cover

- Post/Country Reports
- Economic Indicators
- Agribusiness
- Field Checking
- Satellite Imagery

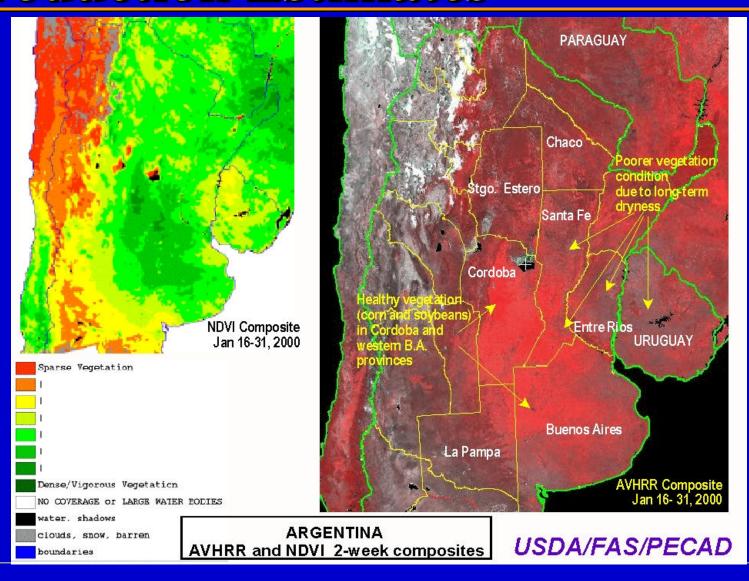
Daily, Regional Satellite Imagery Coverage



Biweekly, Local Satellite Imagery Coverage

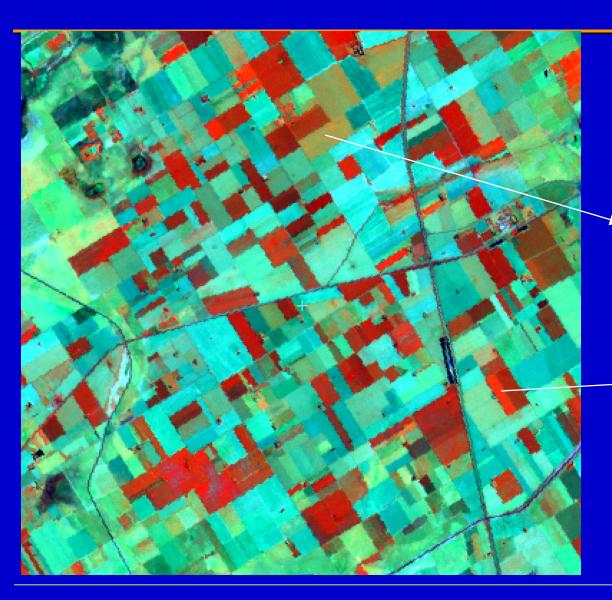


Monthly/Weekly World Production Estimates



Landsat 7

Dec 16, 1999 NW of Buenos Aires, Argentina



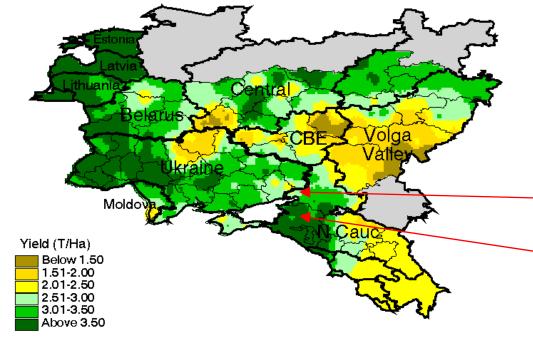
Transition from Corn to Soybeans

Emerging soybeans

Corn at reproductive stage

FSU Winter Wheat Anomaly Analysis

FSU Winter-Wheat Region Ritchie Yield Model Results: June 13, 1999



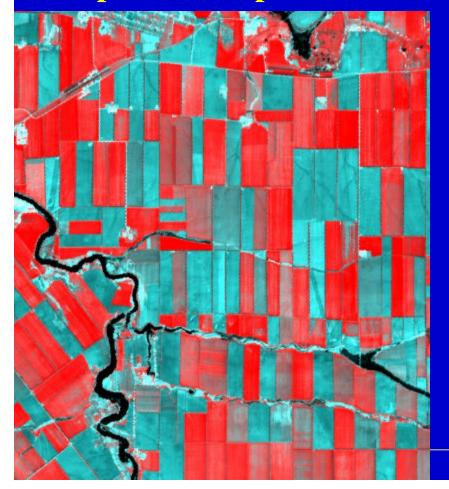
Accurately forecast regional yield differences

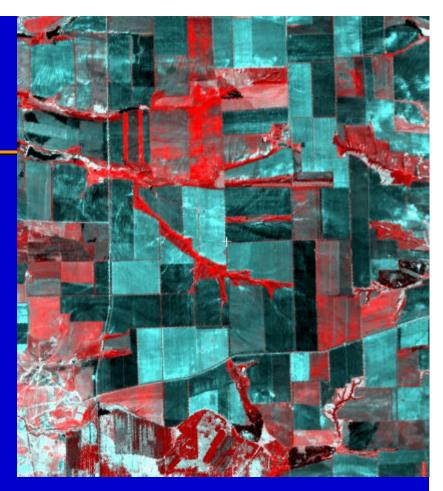
Production Estimates and Crop Assessment Division, FAS, USDA

FSU Winter Wheat Anomaly Analysis (Continued)

Good Crop Conditions

Spot 2 - 19 Apr 1999





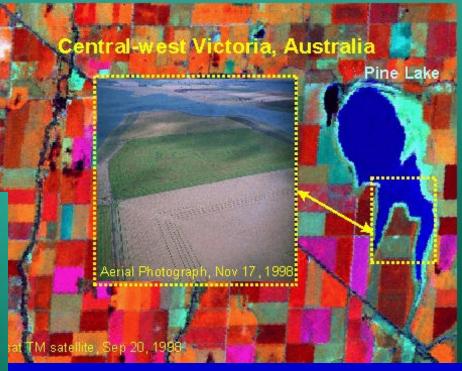
Spot 2 - 19 Apr 1999

Early warning of low yield potential

In-Country Crop Tours

Country/Commodity/Agriculture expertise is the foundation of PECAD





Global Agriculture Disaster

Response

